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Santa Cruz Forestry Challenge
November 4 to 7, 2015
Redwood Christian Park

2015 SANTA CRUZ FORESTRY CHALLENGE

SCHEDULE OF EVENTS

Wednesday, November 4, 2015

4:00 to 5:30	Registration
5:45 to 6:40	Dinner
6:50 to 8:00	Welcome and Focus Topic Question Presented / Q&A
8:00 to 10:00	Evening Social Time – Cruiser’s Bingo and Campfire
10:00	Report to Cabins

Thursday, November 5, 2015

8:00 to 9:15	Breakfast and make lunch
9:15 to 9:30	Assemble For Fieldtrip
9:30 to 12:00	Fieldtrip
12:00 to 1:15	Lunch and Group/School Photos
1:15 to 3:15	Fieldtrip Rotations
3:15 to 3:30	Load Busses
3:30 to 4:45	Bus trip to Redwood Christian Park
4:45 to 5:30	Free Time
5:30 to 6:30	Dinner
6:30 to 10:30	Teams Prepare Presentations / “Ask a Forester” appointments
7:10 to 7:20	Meet “Ask a Foresters”
10:30	Report to Cabins

Friday, November 6, 2015

8:00 to 8:45	Breakfast
8:55 to 9:00	Assemble to travel to Field Training
9:05 to 12:00	Field Training
12:00 to 1:00	Lunch
1:00 to 1:10	Assemble for Field Testing
1:10 to 1:30	Travel to First Testing Station
1:30 to 5:03	Forestry Field Test
5:10 to 5:30	Pacing Contest
5:45 to 6:45	Family Dinner – parents and siblings invited
7:00 to 9:30	Teams Finish Presentations
9:30 to 10:15	Social Time and Campfire
10:15	Report to Cabins

Saturday, November 7, 2015

8:00 to 9:00	Breakfast
9:00 to 11:00	Teams pack up and clean cabins
8:15 to 9:00	Judges Orientation
9:15 to 11:10	Teams Give Presentations
11:20 to 11:45	Judging Panel Feedback to Students
11:45 to 12:00	Awards
12:00	Lunch and Farewell

2015 Santa Cruz Forestry Challenge Participants

<u>School</u>	<u>County</u>	<u>Advisor(s)</u>	<u>Team #'s</u>
Benicia	Solano	Emily Hudson	1, 2
Elk Grove	Sacramento	Tony White/Rebecca Anderson	3, 4, 5
Franklin	Sacramento	Renee Link	7, 8
Health Professions	Sacramento	Jennifer Borba	6
Ponderosa	Santa Cruz	Desiree Hunt/Brian King/Josh Englhardt	16, 17
Porterville	Tulare	Todd Coons	11, 12
Sac New Tech	Sacramento	Senna Davis/Christine Baker/Jerry Huang	13, 14, 15
San Lorenzo Valley	Alameda	Jane Orbuch	18, 19
Soquel	Santa Cruz	Miriam Kaplan / Leif (Hal) Rovick	9, 10
SOS	Santa Cruz	Lily Denevan	20, 21
Woodside	San Mateo	Ann Akey, Kelly Dolan	22

Housing Assignments

<u>Cabin</u>	<u>Gender</u>	<u>Adult(s) / School(s)</u>
SOUTH CABINS		
Eve	Female	E. Hudson, M. Kaplan / Benicia, Soquel
Ruth	Female	R. Anderson / 5 Elk Grove
Leah	Female	C. Baker / Sac New Tech, 5 Elk Grove
Mary	Female	J. Bilka, S. Davis (Wed) / Health Professions
Hannah	Female	D. Hunt, S Davis (Th/Fr) / Ponderosa, Porterville
Dorcas	Female	R. Link / Franklin
Sarah	Female	L. Denevan / SOS
Naomi	Male	T. Coons / Porterville, SOS
Esther	Male	K. Dolan / Benicia, Soquel, Woodside
Rachel	Male	L. Rovick, B. King, J. Elglhardt / Ponderosa
Martha	Male	T. White / Elk Grove, Franklin, Sac New Tech
Lois	Male	J. Huang / Sac New Tech, Health Professions
“OUTBACK” CABIN		
Charity 1	Female	Woodside
FIELDVIEW	Diane and Staff	530-417-1960

Additional Information from Redwood Christian Park

Office Hours

Our office will be open: Wednesday and Thursday, 9am-4:30pm. Friday, 9am-6pm. Our phone number is 831.338.2134. If there is anything you are in need of or if you feel you are having a need unmet, please come and talk to us!

Guest Service Hours

Our Guest Service staff is here to help you with whatever need you might have. They are available from the time you arrive until 11pm daily. The best way to get a hold of the staff is by filling out a request card (available in each lodge, cabin and meeting room and at the board) and returning it to the Guest Service board which is located between the bathrooms on the first floor of the Administration Building near the bookstore. The cards are checked every 45 minutes. If you have a more immediate need, go to the office it is open. If it is not, use the radio in the First Aid Station. There is a radio monitored by the Guest Service Staff while they are on grounds.

Emergency Contacts

If you should have an emergency in the middle of the night and need to get a hold of staff there is a phone in the First Aid station. Our answering service's number is 831.429.7889. This number will put you in touch with a full time staff person who will be able to help. If it is a medical emergency, please call 911 first and then this number to alert our staff.

In the event of an emergency (like a natural disaster etc)...

Our gathering place is the Meadowview Lawn, which is located near the Tabernacle.

Pacing Contest

The goal of this contest is to pace a 66 foot distance without the use of any measuring device. To practice for this contest, mark a 66 foot distance on a sidewalk or parking lot. Stand with your heels on one line and walk with a comfortable step until your toes touch the other line. Once you know how many steps (or paces) you walk, try it without the lines. Then, measure your distance to see how close you are. Note: you will need to know how to do this anyway in order to measure trees using only a Biltmore stick.

Each school will be given two pieces of masking tape and a pen to mark the tape with their school name. Each school gets one entry. The school that can pace a distance closest to 66 feet (either over or under 66 feet) wins the contest, and takes possession of the highly coveted "board foot" traveling trophy.

The Pacing Contest will be at 5:10 p.m. on Friday.

Santa Cruz Forestry Challenge Champions

- 2010 – Cypress Charter High School, Santa Cruz
- 2011 – Trinity High School, Weaverville
- 2012 – Ponderosa High School APES, Shingle Springs
- 2013 – Argonaut High School, Jackson
- 2014 – Elk Grove High School, Elk Grove

Pacing Contest Winners

- 2011 – Vista del Lago High School, Folsom
- 2012 – San Lorenzo Valley High School, Felton
- 2013 - S.O.S., Watsonville
- 2014 – Anaheim High School, Anaheim

The Tom Eustis Memorial Award for Teaching Excellence

- 2006 - Scott Meyers, Grant High School
- 2007 - Katie Alling, Nevada Union High School
- 2008 – Larry Wright, Rio Vista High School
- 2009 – Christie Jouaneh, Napa New Tech High School
- 2010 – Suzanna Johnson, Colfax High School
- 2011 – Shannon Clark, Argonaut High School
- 2012 – Tony White, Elk Grove High School
- 2013 – Dr. Miriam Kaplan, Soquel High School
- 2014 – Carol Germano, Anderson New Tech High School
- 2015 – Angela Metcalfe, Anaheim High School

The George Little Memorial Award for Volunteer Excellence

- 2011 – Dennis Norgord, Website Manager (aka “Tech Angel”)
- 2012 – John Nicoles, Staff Forester Extraordinaire
- 2013 - David Van Lennep, Redwood Empire Forester
- 2014 – Katie Carlson, ANTHS grad and Forestry Challenge Alum
- 2015 – Mike Garcia, Retired Forester, multi-event volunteer



2015 California Forestry Challenge Rules

1. Students enrolled in grades 9 through 12 are eligible to participate. Community college students may participate if the facility can accommodate them, as determined by the CFC coordinator.
2. Teams will consist of two to five students from the same school or home schooling group. More than one team may enter from each school as space permits.
3. An adult team advisor must accompany each team. The advisor can be a teacher, staff member, or approved parent from that school. One advisor can supervise more than one team from the same school, as housing arrangements permit.
4. A completed registration form and registration fees must be received 12 days prior to the start of the event. Registration fees must be paid for each person attending, including teachers and adult chaperones. Fees for advisors' infants and small children may be waived on a case-by-case basis.
 - Shasta FC fees are \$100 per person, due September 11
 - Sequoia FC fees are \$100 per person, due September 25
 - El Dorado FC fees are \$115 per person, due October 2
 - Santa Cruz FC fees are \$165 per person, due October 23
 - San Bernardino fees are \$150 per person, due November 6
5. Student substitutions and/or cancellations are allowed up until 5 p.m. on the Friday prior to the event. There will be no refunds for students or advisors that cancel after that date. Any unused registration fees for whole schools that pay and then don't attend can be applied to a 2016 event.
6. All student participants must arrive with all applicable and signed Liability / Medical / Media Release Forms in order to participate. These forms must be turned in at registration, or can be mailed in prior to the event.
7. Advisors and students will check in together, unless prior arrangements are made with the CFC Coordinator.
8. Team advisors must be on site with their students at all times and will be responsible to assure that team members display proper conduct during the event and at the host facility.
9. All students and advisors must attend and fully participate in all scheduled activities.

10. The use of personal electronic devices such as cell phones and I-Pods is prohibited except during free time or in the case of an emergency.
11. Students must report to and stay in their assigned cabins or dormitories at the designated time at the end of each day.
12. No students or advisors are allowed to leave the host site without approval.
13. Tobacco, drugs, and alcohol are prohibited during all parts of the event. In addition, rules applicable to the host site will apply.
14. Transportation to, from, and during an event will be the responsibility of each participating team, unless transportation is provided during an event.
15. The CFC has two parts: a Field Test and a Presentation. The two parts will be scored separately. The Field Test will be worth 60%, and the Presentation will be worth 40% of the total score.
16. The Field Test will be comprehensive in nature, with many questions using props and tools such as tree specimens and forestry equipment. One test key will be provided for each school at the conclusion of the testing period, to be returned before the conclusion of the event. The event Coordinator or designee will be available to answer questions.
17. Test questions will be devised using the CFC Learning Objectives and Resource Packet materials as a guide, but are not necessarily limited to those items. Knowledge of basic ecological concepts and information presented during the field trip and field training may be tested as well.
18. Students will not be allowed to use their own reference materials during the Field Test. All materials needed during the Field Test, including identification keys, reference materials, and equipment, will be provided at the testing stations. However, any and all written and electronic materials teams bring to the event and gather while at the event may be used to prepare the Presentation. Laptop computers will be used, and there will be equal access to wireless internet.
19. Each team's Field Test and Presentation scores will be totaled, and overall place awards will be given accordingly. All participants will receive a Certificate of Participation.
20. Students and advisors will be asked to complete an evaluation form at the conclusion of the event.
21. Grievances must be submitted in writing to the Coordinator by the end of the review period immediately following the Field Test or the Presentation portion of the event.
22. Grievances will be reviewed by the Coordinator, and discussed with involved judges and/or volunteers. The Coordinator's decisions are final.
23. CFC rules are subject to change by the Coordinator. Any and all changes will be explained in advance to all teams and advisors.
24. Any infraction of any of the CFC Rules could result in disqualification and/or dismissal from the event and the host site.

EXPANDED SCHEDULE FOR WEDNESDAY

Wednesday, November 4, 2015

- 4:00 to 5:30 Registration – Administration Building Lounge
- 5:30 to 6:40 Dinner –Dining Hall
- 6:50 to 7:00 Welcome – Nelson Hall
❖ Please gather by 6:45
❖ Bring Focus Topic Question, Paper, and Pencils
- 7:00 to 8:00 Focus Topic Question presented
- 8:00 to 8:30 Cruiser’s Bingo – Nelson Hall
- 8:30 to 10:00 Campfire
- 10:00 Report to Cabins
- 10:30 Lights Out

Fieldtrip Rotations for Thursday

Station	Time	1:15 – 1:45	1:45 - 2:15	2:15 – 2:45	2:45 – 3:15
History and Geology		Teams 1 - 6	Teams 18 - 22	Teams 9 - 16	Teams 7 – 12
Sudden Oak Death Ecology/Trees/Invasives		Teams 7 – 12	Teams 1 - 6	Teams 17 - 22	Teams 13 - 17
Timber Management		Teams 13 - 17	Teams 7 – 12	Teams 1 - 6	Teams 18 - 22
Fire/ Emergency Response		Teams 18 - 22	Teams 13 - 17	Teams 7 – 12	Teams 1 - 6

EXPANDED SCHEDULE FOR THURSDAY

Thursday, November 5, 2015

8:00 to 9:15	Breakfast and lunch making – Dining Hall
9:15 to 9:30	Gather for Fieldtrip outside Administration Building <ul style="list-style-type: none">❖ Bring Focus Topic Question, Camera, Paper, Clipboards, and Water Bottle❖ Wear jeans and boots❖ Use restroom after breakfast. Portolets only at SDSF.
9:30 to 10:45	Bus ride to Soquel Demonstration State Forest <ul style="list-style-type: none">❖ Teams 1 – 12 on Bus 1, Teams 13 – 23 on Bus 2
10:45 to 12:00	Fieldtrip Stops 1 and 2
12:00 to 12:45	Lunch
12:45 to 1:15	Group and School Photos
1:15 to 3:15	Fieldtrip Rotations (see schedule on previous page)
3:15 to 3:30	Load Busses
3:30 to 4:45	Bus trip back to Redwood Christian Park
4:45 to 5:30	Free Time
5:30 to 6:30	Dinner – Dining Hall
6:30 to 7:10	Begin Working on Presentations – rooms on next page
7:10 to 7:20	Meet “Ask a Foresters” in Nelson Hall
7:20 to 10:10	Ask a Forester appointments – see page after next
7:20 to 10:30	Students Prepare Presentations <ul style="list-style-type: none">❖ Laptops should be used - wireless available campwide❖ Students should not leave workrooms without permission
10:30	Report to Cabins
11:00	Lights out

Presentation Preparation Room Assignments

Room	Team Numbers
Ark 1	3, 4, 5
Ark 2	7, 8
Ark 3	6, 9, 10
Ark 4	11, 12
Ark 5	18, 19
Ark 6	20, 21, 22
Admin. Lounge (Thurs), Nelson (Fri)	1, 2, 16, 17
Meadowview	13, 14, 15

A Note About our Sponsors:

In addition to the sponsors on the front cover of this booklet, many more companies, organizations, and individuals contributed. They are:

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Stan Leach Logging
Tatum Tree Management
Timber Products Company
Timothy M. Cary and Associates, Attorneys at Law
United Wholesale Lumber Company

“ASK A FORESTER” APPOINTMENT SCHEDULE

Team Number	Appointment Time	Ask a Forester	Appointment Time	Ask a Forester
1	7:20	1	8:50	2
7	7:40	1	9:10	2
13	8:00	1	9:30	2
19	8:20	1	9:50	2
2	7:20	2	8:50	3
8	7:40	2	9:10	3
14	8:00	2	9:30	3
20	8:20	2	9:50	3
3	7:20	3	8:50	4
9	7:40	3	9:10	4
15	8:00	3	9:30	4
21	8:20	3	9:50	4
4	7:20	4	8:50	5
10	7:40	4	9:10	5
16	8:00	4	9:30	5
22	8:20	4	9:50	5
5	7:20	5	8:50	6
11	7:40	5	9:10	6
17	8:00	5	9:30	6
BYE	8:20	5	9:50	6
6	7:20	6	8:50	1
12	7:40	6	9:10	1
18	8:00	6	9:30	1
BYE	8:20	6	9:50	1

- Arrive a few minutes before your scheduled appointment time.
- Bring any materials with you that will help make your appointment productive.
- Any number of team members may go to the appointment.
- Advisors may not go to the appointment.

EXPANDED SCHEDULE FOR FRIDAY

Friday, November 6, 2015

- 8:00 to 8:45 Breakfast – Dining Hall
- 8:55 to 9:00 Field Training Introduction
- ❖ Gather in front of Admin Building
 - ❖ See Training Rotation Schedule for list of what to bring
- 9:05 to 12:00 Field Training
- 12:00 to 1:00 Lunch – Dining Hall
- 1:00 to 1:10 Assemble for Field Testing in front of Admin. Building
- 1:10 to 1:30 Travel to First Testing Station
- 1:30 to 5:03 Forestry Field Test- See Testing Rotation Schedule
- 5:10 to 5:30 Pacing Contest – Gather at Admin Building
- 5:45 to 6:45 Family Dinner in Dining Hall – Families Invited (\$5 / person)
- 7:00 to 9:30 Teams Finish Preparing Presentations – Ark Rooms/Hillside
- ❖ At 9:30, all teams must turn in their laptops
- 9:30 to 10:15 Social Time – Nelson Hall and Lower Campfire
- 10:15 Report to Cabins
- 10:45 Lights Out

FRIDAY A.M. FIELD TRAINING ROTATIONSCHEDULE

Trainers	Topic	9:05 - 9:45	9:50 - 10:30	10:35 - 11:15	11:20 - 12:00
Ranae Hawkey, Jerry Jensen	Tree ID, Growth Characteristics, Dichotomous Keys	Teams 1 - 6	Teams 18- 22	Teams 13 - 17	Teams 7 – 12
Julie Dufresne, Jason Ko, Dave Dealey	Diameter Tape, Clinometer, Volume Tables, Market Values	Teams 7 – 12	Teams 1 - 6	Teams 18 - 22	Teams 13 - 17
John Nicoles	Angle Gauge	Teams 13 - 17	Teams 7 – 12	Teams 1 - 6	Teams 18 - 22
Harlan Tranmer	Biltmore Stick	Teams 18 - 22	Teams 13 - 17	Teams 7 – 12	Teams 1 - 6

- Teams should assemble in front of Admin Building no later than 8:50.
- Wear long pants and close-toed shoes.
- Bring your clipboard, training worksheet, calculator, and forestry tools.
- You may bring study materials and paper with you for taking notes.



FRIDAY P.M. FIELD TESTING ROTATIONSCHEDULE

Time Station	1:30 to 2:18	2:25 to 3:13	3:20 to 4:08	4:15 to 5:03
Basketball	Teams 1 - 6	Teams 18- 22	Teams 13 - 17	Teams 7 – 12
Tower	Teams 7 – 12	Teams 1 - 6	Teams 18 - 22	Teams 13 - 17
Ark	Teams 13 - 17	Teams 7 – 12	Teams 1 - 6	Teams 18 - 22
Deerwood	Teams 18 - 22	Teams 13 - 17	Teams 7 – 12	Teams 1 - 6

Notes:

- * Teams will have 48 minutes at each test station, with a 7 minute rotation period between each station. A total of 30 minutes will be allotted after lunch for teams to assemble and move to their first station.
- * Teachers will travel in the same rotation with their team, but may not interact with team members at any time during the testing periods. They may, however, look at a blank copy of the test, provided by the person in charge of the test station.
- * Teachers need to be aware of the route to the next station and will be responsible for getting their group of students there on time.
- * Teams cannot use notes, written materials, or forestry tools except those issued with their cruiser vests or those given to them at the stations.
- * Teams are responsible for bringing their own clipboard and calculator.
- * At the end of the last rotation, one Test Key will be given the lead Advisor from each school for review. The test keys will be due back Saturday morning.
- * Students will return their cruiser vests after testing.

EXPANDED SCHEDULE FOR SATURDAY

Saturday, November 7, 2015

8:00 to 9:00 Breakfast – Dining Hall (Please complete evaluation forms and thank you notes)

9:00 to 11:00 Teams pack up and clean cabins when not presenting

8:15 to 9:00 Judges Orientation
❖ For Judges and Timekeepers only

9:15 to 11:10 Teams Give Presentations
❖ Please turn in cabin keys, test keys, press releases, thank you notes, flash drives, and evaluation forms

Location / Time	9:15 to 9:40	9:45 to 10:10	10:15 to 10:40	10:45 to 11:10
Ark Room 1	Presentation schedule will be distributed on Friday night at 9:30 pm			
Ark Room 2				
Ark Room 3				
Ark Room 4				
Ark Room 5				
Ark Room 6				

11:20- to 11:45 Judging Panel Feedback to Students – Cathedral Grove

11:45 to 12:00 Awards – Cathedral Grove

12:00 Lunch and Farewell

- * Teachers and parents may listen to their own team's presentation(s), but may not listen to other teams.
- * Each presentation location will have three judges and a timekeeper.
- * The timekeeper will start timing when the presentation begins and show a 5 and a 1 minute warning card.
- * The timekeeper will stop the presentation when time is up, even if the team is not finished.
- * The timekeeper will time the 5 minute question and answer period, with a 1 minute warning.
- * Teams may keep their presentation materials. We encourage them to give their presentation at school and in the community.
- * All teams will attend a review session at the Cathedral Grove from 11:20 to 11:45, where the judges will provide feedback to the teams, after which the awards will be presented.

